

SubstituteSequenceListing\_05-06-2010  
SEQUENCE LISTING

<110> CHOE, Mu-Hyeon  
CHOI, Seong-Hyeok  
LEE, Yong-Chan  
KWON, Hye-Won  
WON, Jae-Seon  
YU, Mi-Hyun  
SONG, Jeong-Hwa  
KIM, Yong-Jae

<120> THE DIMER OF CHIMERIC RECOMBINANT BINDING DOMAIN-FUNCTIONAL GROUP FUSION FORMED VIA DISULFIDE-BOND-BRIDGE AND THE PROCESSES FOR PRODUCING THE SAME

<130> 428.1060

<140> US 10/562,627  
<141> 2005-12-22

<150> PCT/KR2004/001595  
<151> 2004-06-30

<150> KR 10-2003-0043599  
<151> 2003-06-30

<160> 59

<170> PatentIn version 3.5

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## SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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<223> pMC75 plasmid coding sequence

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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## SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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## SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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## SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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<223> pLSC52 plasmid full sequence

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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SubstituteSequenceListing\_05-06-2010

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## SubstituteSequenceListing\_05-06-2010

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<400> 13

Xaa Lys Pro Ser Ile Xaa Thr Xaa Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly  
35 40 45

Gly Ser Gly Gly Pro Glu  
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<210> 14  
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SubstituteSequenceListing\_05-06-2010

<220>  
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<400> 14

Leu Ala Asp Phe Ala  
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<220>  
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<400> 15

Xaa Lys Pro Cys Ile Xaa Thr Xaa Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Pro Glu

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<211> 14  
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<220>  
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<400> 16

Cys Lys Pro Ser Ile Ser Thr Lys Ala Ser Gly Gly Pro Glu  
Page 26

1 5 10

<210> 17  
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<220>  
<223> Extension peptide 4

<400> 17

Gly Gly Gly Gly Ser  
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<210> 18  
<211> 10  
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<220>  
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<400> 18

Gly Gly Gly Gly Ser Gly Gly Gly Ser  
1 5 10

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<400> 19

Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser  
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SubstituteSequenceListing\_05-06-2010

<220>  
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<223> X is S or A

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Ile Xaa Thr Xaa Ala Ser Gly Gly Gly Ser Gly Gly Pro Glu  
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Gly Ala Ser Gln Glu Asn Asp  
1 5

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Ala Lys Pro Cys Ile Ala Thr Gln Ala Ser  
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taatacgact cactataggg aga

23

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SubstituteSequenceListing\_05-06-2010

<220>  
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agatccggcca ccaccagaag cttttgtact tatgct 36

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ct 62

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tgctgggtggc ggatctggag gtcccgaggg cggcaagc 38

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tggtgggtggc ggatctggag gtggcggaag cggaggtccc gagggcggca gc 52

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<210> 29

SubstituteSequenceListing\_05-06-2010

<211> 45  
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<220>  
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<400> 29  
gggaattcat taagcttgc tagctatgca aggcttagca ccaca

45

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<400> 30

Lys Ala Ser Gly Gly Pro Glu  
1 5

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<400> 31

Ser Lys Pro Cys Gly  
1 5

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Ser Lys Pro Cys Lys Ala Ser Pro Glu  
1 5

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SubstituteSequenceListing\_05-06-2010

<223> Extension peptide 13

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Ala Lys Pro Cys Ile Ala Thr Gln  
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<210> 34

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Ser Lys Pro Cys Ile Ser Thr Lys  
1 5

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Gly Gly Gly Gly Cys Gly Gly Gly Ser Gly Gly Gly Gly Ser  
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<400> 36

Ser Lys Pro Ser Ile Ser Thr Lys Ala Ser Gly Gly Gly Cys Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Pro Glu  
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SubstituteSequenceListing\_05-06-2010

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ggcccatatg catcaccatc accatcacgt gacaggggga atg

43

<210> 38

<211> 35

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<223> Primer 2

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ttggtttcaa gatattggtg agtaggaatt cggcc

35

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<211> 25

<212> DNA

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<400> 39

ggcccccggag gtgacagggg gaatg

25

<210> 40

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<212> DNA

<213> Artificial Sequence

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<223> Primer 4

<400> 40

gaagatattg gtgagcatca ccatcaccat cactaggaat tcggcc

46

<210> 41

<211> 49

<212> DNA

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SubstituteSequenceListing\_05-06-2010

<220>

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Ser Lys Pro Ser Ile Ser Thr Lys Ala Ser Gly Gly Pro Glu  
1 5 10

<210> 43

<211> 44

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<400> 43

Ser Lys Pro Ser Ile Ser Thr Lys Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Cys Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Gly Ser Gly Gly Pro Glu  
35 40

<210> 44

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<400> 44

Ser Lys Pro Ser Ile Ser Thr Lys Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Cys Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly  
35 40 45

Gly Ser Gly Gly Pro Glu  
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<210> 45

SubstituteSequenceListing\_05-06-2010

<211> 64  
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<400> 45

Ser Lys Pro Ser Ile Ser Thr Lys Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Ser Gly Gly Gly Cys Gly Gly Gly  
35 40 45

Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Pro Glu  
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<210> 46  
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<400> 46

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Pro Glu  
1 5 10

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<400> 47

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Pro Glu

<210> 48  
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SubstituteSequenceListing\_05-06-2010

<212> PRT  
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<400> 48

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Pro Glu  
20

<210> 49  
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<400> 49

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Pro Glu  
20 25

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<400> 50

Ala Lys Pro Cys Ile Ala Thr Gln Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Pro Glu  
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<210> 51  
<211> 34  
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SubstituteSequenceListing\_05-06-2010

<400> 51

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
20 25 30

Pro Glu

<210> 52

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Extension peptide 27

<400> 52

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Pro Glu  
35

<210> 53

<211> 44

<212> PRT

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<223> Extension peptide 28

<400> 53

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Ser Gly Gly Pro Glu  
35 40

SubstituteSequenceListing\_05-06-2010

<210> 54  
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Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly Pro  
35 40 45

Glu

<210> 55  
<211> 54  
<212> PRT  
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<400> 55

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly  
35 40 45

Gly Ser Gly Gly Pro Glu  
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SubstituteSequenceListing\_05-06-2010

<400> 56

Arg Glu Asp Leu Lys  
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<210> 57  
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<220>  
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<400> 57

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Pro Glu  
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<220>  
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<400> 58

Ser Lys Pro Cys Ile Ser Thr Lys Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Pro Glu  
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<210> 59  
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<223> pKL4

<400> 59

Ala Lys Pro Cys Ile Ala Thr Gln Ala Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Pro Glu  
20

